

## CORDLESS COMPRESSOR

### ABSTRACT

[0026] The present invention is directed to a cordless air compressor. In an embodiment of the present invention, an air compressor includes a pump for generating a supply of compressed air. A motor is coupled to the compressor pump in order to provide mechanical energy sufficient to generate the supply of compressed air. An electrical system including a docking station, an electrical supply connection device and a switch is electrically coupled to the motor. The docking station is constructed to receive a removable rechargeable battery. In a further embodiment, a battery for which the docking station is configured to receive is operable for use with at least one battery powered tool. The switch is configured to varying the source of electrical energy to be supplied to the motor between the battery and a conventional electrical supply provided by the electrical supply connection device. The electrical system is additionally configured to charge a removable battery (received in the docking station), if electrical supply connection device is supplying electricity to the motor and a battery is present in a docking station.